

OPINION 1809

***Bruchus* Linnaeus, 1767, *Ptinus* Linnaeus, 1767 and *Mylabris* Fabricius, 1775 (Insecta, Coleoptera): conserved**

Keywords. Nomenclature; taxonomy; Coleoptera; pests; *Bruchus*; *Ptinus*; *Mylabris*.

Ruling

(1) Under the plenary powers the following names are hereby suppressed:

- (a) *Bruchus* Geoffroy, 1762, and all uses of the name *Bruchus* prior to the publication of *Bruchus* Linnaeus, 1767, for the purposes of both the Principle of Priority and the Principle of Homonymy;
- (b) *Mylabris* Geoffroy, 1762, and all uses of the name *Mylabris* prior to the publication of *Mylabris* Fabricius, 1775, for the purposes of both the Principle of Priority and the Principle of Homonymy;
- (c) *Laria* Scopoli, 1763 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

- (a) *Bruchus* Linnaeus, 1767 (gender: masculine), type species by subsequent designation by Latreille (1810) *Dermestes pisorum* Linnaeus, 1758;
- (b) *Ptinus* Linnaeus, 1767 (gender: masculine), type species by subsequent designation by Latreille (1810) *Cerambyx fur* Linnaeus, 1758;
- (c) *Mylabris* Fabricius, 1775 (gender: feminine), type species by subsequent designation by Latreille (1810) *Meloe cichorii* Linnaeus, 1758.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

- (a) *pisorum* Linnaeus, 1758, as published in the binomen *Dermestes pisorum* (specific name of the type species of *Bruchus* Linnaeus, 1767);
- (b) *fur* Linnaeus, 1758, as published in the binomen *Cerambyx fur* (specific name of the type species of *Ptinus* Linnaeus, 1767);
- (c) *cichorii* Linnaeus, 1758, as published in the binomen *Meloe cichorii* (specific name of the type species of *Mylabris* Fabricius, 1775).

(4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:

- (a) BRUCHIDAE Latreille, 1802 (type genus *Bruchus* Linnaeus, 1767);
- (b) PTINIDAE Latreille, 1802 (type genus *Ptinus* Linnaeus, 1767).

(5) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:

- (a) *Bruchus* Geoffroy, 1762, as suppressed in (1)(a) above;
- (b) *Mylabris* Geoffroy, 1762, as suppressed in (1)(b) above;
- (c) *Laria* Scopoli, 1763, as suppressed in (1)(c) above.

History of Case 2618

An application for the conservation of the generic names *Bruchus* Linnaeus, 1767, *Ptinus* Linnaeus, 1767 and *Mylabris* Fabricius, 1775 was received from Dr L.

Borowiec (*Agricultural University, Wrocław, Poland*) on 13 July 1987. After correspondence the case was published in BZN 45: 194–196 (September 1988). Notice of the case was sent to appropriate journals.

It was noted on the voting paper that the application proposed the conservation of three widely used names threatened by senior synonyms and/or homonyms first published by Geoffroy (1762). The case was published before that by Dr I.M. Kerzhner on the status of Geoffroy's work (Case 2292, published in BZN 48: 107–133; June 1991) but voting was held over until the resolution of the latter case. Support for the conservation of *Bruchus* Linnaeus, 1767 and *Mylabris* Fabricius, 1775 was included in Dr Kerzhner's application (BZN 48: 119 and 121 respectively).

Dr Kerzhner & Dr A.G. Kirejtshuk (*Zoological Institute, Russian Academy of Sciences, St Petersburg, Russia*) supported Dr Borowiec's application in a comment published in BZN 48: 143–144 (June 1991). They also pointed out that Pierce's (1916) designation of *Laria salicis* Scopoli, 1763 as the type species of *Laria* Scopoli, 1763 rendered the latter name a senior subjective synonym of *Bruchus* Linnaeus, 1767 (cf. para. 3 of the application). They proposed (BZN 48: 143) that *Laria* should be suppressed.

A comment from Mrs A. Gentry (*ICZN, clo The Natural History Museum, London, U.K.*), published in BZN 48: 144, noted that *Mylabris* sensu Geoffroy (1762) was a senior subjective synonym of *Bruchus* Linnaeus, 1767 (as in para. 5 of the application, not objective as in para. 2), and cited recent references demonstrating the use of the latter name.

Geoffroy's (1762) work *Histoire abrégée des insectes qui se trouvent aux environs de Paris*, in which the names *Bruchus* and *Mylabris* first appeared, was rejected for nomenclatural purposes and placed on the Official Index in Opinion 228 (April 1954). In Opinion 1754 (March 1994) the Commission ruled that, notwithstanding the use of polynomial specific names, Geoffroy's work was available for the establishment of generic names; it was accordingly deleted from the Official Index and placed on the Official List with an endorsement recording its status. It followed from Opinion 1754 that the names *Bruchus* and *Mylabris* were available from Geoffroy (1762); suppression by the Commission of these names as used in this work would allow them to be placed on the Official Index with this authorship and date.

Geoffroy (1762, vol. 1) described and figured species in *Bruchus* and *Mylabris*; he placed *Cerambyx fur* and *Dermestes pisorum* (both of Linnaeus, 1758) in these respective genera so that the names as used by him are senior synonyms of *Ptinus* and *Bruchus* of Linnaeus (1767). Since several other coleopteran generic names as used by Geoffroy (1762) were suppressed by the ruling in Opinion 1754 in order to conserve junior names from Fabricius (1775) and Linnaeus (1767) (see BZN 51: 62, para. (6)), the alternative proposals relating to the present case put forward by Dr F.C. Thompson (*U.S.D.A., clo U.S. National Museum, Washington D.C., U.S.A.*) and Dr P.K. Tubbs (*Executive Secretary, ICZN, clo The Natural History Museum, London, U.K.*), published respectively on BZN 48: 146 and 48: 147, were not proceeded with.

Decision of the Commission

On 1 December 1994 the members of the Commission were invited to vote on the proposals published in BZN 45: 195, with amendments to the authorship and date of

Bruchus 'Müller, 1764' and *Mylabris* 'Müller, 1764' to Geoffroy (1762), and in BZN 48: 143. At the close of the voting period on 1 March 1995 the votes were as follows:

Affirmative votes — 23: Bayer, Bock, Bouchet, Cocks, Corliss, Dupuis, Hahn, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahner, Martins de Souza, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Štys, Willink

Negative votes — 1: Thompson.

No votes were received from Cogger, Halvorsen, Starobogatov, Trjapitzin and Uëno.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

BRUCHIDAE Latreille, 1802, *Histoire naturelle, générale et particulière, des crustacés et des insectes*, vol. 3, p. 192.

Bruchus Geoffroy, 1762, *Histoire abrégée des insectes qui se trouvent aux environs de Paris*, vol. 1, p. 163.

Bruchus Linnaeus, 1767, *Systema Naturae*, Ed. 12, vol. 1, part 2, p. 604.

cichorii, *Meloe*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 419.

fur, *Cerambyx*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 393.

Laria Scopoli, 1763, *Entomologia Carniolica*, p. 21.

Mylabris Fabricius, 1775, *Systema Entomologiae*, p. 261.

Mylabris Geoffroy, 1762, *Histoire abrégée des insectes qui se trouvent aux environs de Paris*, vol. 1, p. 266.

pisorum, *Dermestes*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 356.

PTINIDAE Latreille, 1802, *Histoire naturelle, générale et particulière, des crustacés et des insectes*, vol. 3, p. 112.

Ptinus Linnaeus, 1767, *Systema Naturae*, Ed. 12, vol. 1, part 2, p. 565.

The following is the reference for the designation of *Dermestes pisorum* Linnaeus, 1758 as the type species of the nominal genus *Bruchus* Linnaeus, 1767; *Cerambyx fur* Linnaeus, 1758 as the type species of the nominal genus *Ptinus* Linnaeus, 1767; and *Meloe cichorii* Linnaeus, 1758 as the type species of the nominal genus *Mylabris* Fabricius, 1775:

Latreille, P.A. 1810. *Considérations générales sur l'ordre naturel des animaux composant les classes des crustacés, des arachnides et des insectes ...*, pp. 430, 427 and 430 (respectively).